

Functionality and usability exemplified by electronic ship logbooks



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ENGINEERING SOCIETY FOR MARITIME SAFETY TECHNOLOGY AND MANAGEMENT LTD.



25 years of experience

Excellent competences and external network

more than 200 satisfied customers in maritime industry

Employees with different maritime background (navigation, engine, environment, HSE, IT)



Solutions

Electronic Record Books
Decision Support Systems
People Tracking / eMustering
Central Security Monitoring
Fire Detection Monitoring
Fire Doors & Dampers
Data Management / Hosting



Engineering

Safety Plan / Evacuation Analysis
Ballast Water Management Plan
Cargo Securing Manual
Damage Control Plan / Booklet
US (NTVRP, NPDES)
Emergency Towing Booklet
Polar Water Operational Manual
SOPEP, SEEMP, Sewage, Garbage,
Asbestos, Mooring etc.



Consulting

Ship Management (ISM/ISPS/MLC)
Quality (ISO 9001)
Environmental (ISO 14001, 50001)
Occupational (OHSAS, FaSi)
TMSA (Self-Assessment)
Sustainability Reporting (GRI)
MARPOL (IMO-DCS, CII, IHM)

International Regulations



ANNEX 1

**RESOLUTION MEPC.312(74)
(adopted on 17 May 2019)**

GUIDELINES FOR THE USE OF ELECTRONIC RECORD BOOKS UNDER MARPOL

Oil, Cargo, Garbage, ODS, Fuel Change Over,... Record Books



INTERNATIONAL
STANDARD

ISO
21745



**Electronic record books for ships —
Technical specifications and
operational requirements**

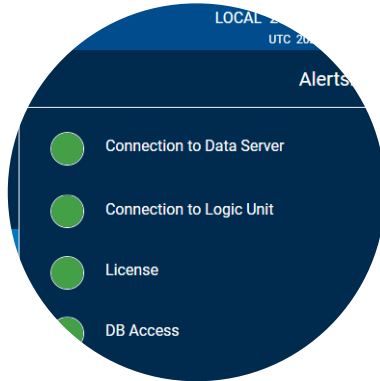
*Journaux de bord électroniques —
Spécifications techniques et
exigences opérationnelles*

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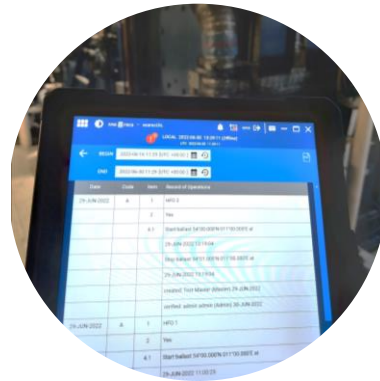
Power Supply

Automatically to emergency power



Data Storage

Content, type, protection, recovery, VDR, status



Record Management

Access, modifications, events, particulars, exchange



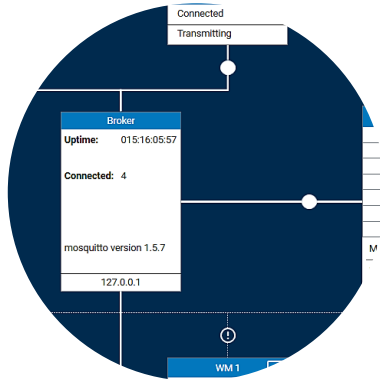
System Output

Format and type



Validation

User rights, Login, RBAC, verification



System Availability

Redundancy and independence



Human-Machine Interface

Ergonomic criteria



System Updates

According legal requirements

Our Solution



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